Trần Minh Đức

Intern Python Developer

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OBJECTIVE

As a final-year Computer Science student with hands-on experience in Python, AI and Machine learning. Also, I have experience in fine-tuning small language models effectively.

PROJECTS

Automated Multiple-Choice Question Generation for Informatics: A Model-Based Approach

August 2024   -   Present

Team Size: 4

Tech Stack: Python, , Beautiful Soup, Hugging Face, Pandas

POSITION: CRAWING DATA AND TRAINING MODEL

My main responsibility was training the model; however, I also contributed to data crawling and processing to ensure high-quality inputs for fine-tuning.

TECHNOLOGY DESCRIPTION

Create a dataset for supervised fine-tuning based on the Ministry of Education's informatics curriculum. Implemented web scraping using Beautiful Soup to collect questions from open education websites. Efficient tuning using LoRA
Training time is shorter, accuracy increases significantly compared to when testing using a few-shot in the original model,
Model: https://huggingface.co/beyoru/MCQ-3B-o-16
Dataset: https://huggingface.co/datasets/beyoru/Tin_hoc_mcq

EDUCATION

2021   -   Present

COMPUTER SCIENCE

VNU University of Engineering and Technology

SKILLS

Programing language:

Python, JavaScript, Java

Machine Learning & AI:

Pytorch, Hugging Face, Scikit-learn

Data Processing/Database Management:

Pandas, NumPy, Beautiful Soup, SQL, Firebase, MongoDB

ADDITIONAL INFORMATION

- Currently part of a research group focused on the application of language models in education, evaluating model performance and outcomes.
- Strong sense of responsibility, effective teamwork, and good time management skills demonstrated through collaborative research and project management.